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Technical bulletin

Using Marks With Pandora in a Prinergy Powerpack Environment

This document describes a number of tips for using marks with Pandora in a Prinergy Powerpack environment.

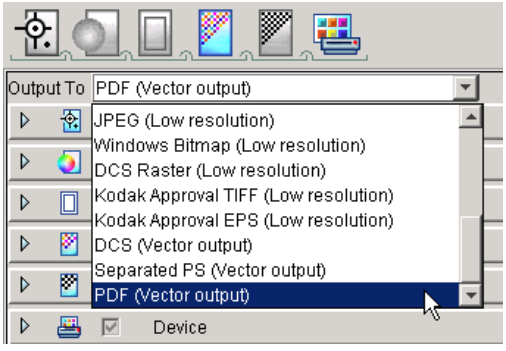
Converting Custom Marks For Use in Pandora

The Pandora application accepts only PDF input for marks. Before placing a custom EPS mark into Pandora, you need to convert the marks file from an EPS into a PDF format. If you were to just create a PDF directly out of Illustrator using Acrobat Distiller, the resulting PDF file would contain unwanted white space around the mark. To overcome this, you can use Prinergy Powerpack to create the PDF instead.

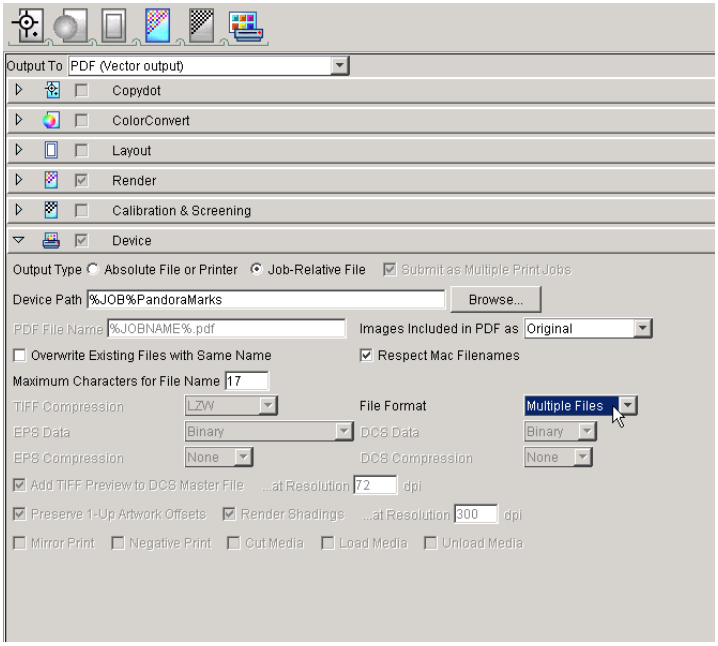
The following procedure demonstrates how to set up a Prinergy Powerpack job that automatically converts custom marks to PDF for use in Pandora. If you have a library of existing EPS marks files, this process allows you to just drop them into a hot folder, and have them automatically converted to usable PDF files for Pandora.

Creating a Generic Prinergy Job for Generating Custom PDF Marks for Pandora

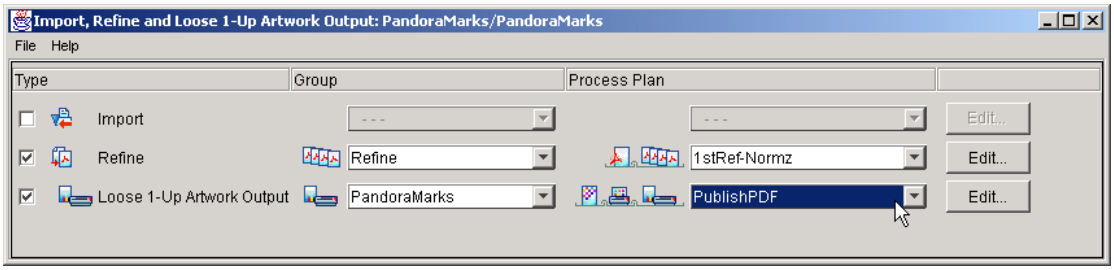
1. From Prinergy Workshop, create a new Job called **PandoraMarks**.
2. From the **ProcessPlan Editor**, create a new Process Plan in the Loose Proof Output process plan group.
3. In the **Output To** drop-down box of the Process Plan dialog box, select **PDF (Vector Output).**



4. From the **Device** section of the Process Plan dialog box:
   a. set the **Device Path** preferably to a central location where the marks can be accessed by other Pandora clients.
   b. Set **Images Included in PDF as : Original**
   c. Set the File Format as: Multiple Files



5. Save the Process Plan and name it: **Publish PDF**.
6. From the Process Plan Editor, create a new Workflow Plan using the **1stRef_Normz** and the new Process Plan that you created **Publish PDF.**



7. From Workshop, Under the **Edit** menu, select **Manage Hot Folders**.
8. Select the new Workflow Plan. A Hot Folder appears in your Prinergy Job folder.
9. Anytime you need to convert EPS marks to PDF format for use in Pandora, just drop the EPS files into the hot folder and the marks appear in the location you specified.

Adding Custom Marks to Pandora

After a mark has been converted to PDF, place it in the **Marks\User** folder of the Pandora 2.0 application. It will then become available in the Marks Palette of the Pandora application.

Creating a Generic Color bar for use in Prinergy Powerpack

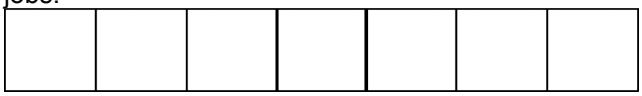
While Pandora enables you to automatically map the colors of your job to a generic color bar (see the Pandora User Guide), this setup does not handle all instances of color bar use in a Prinergy Powerpack workflow, and may require additional color bars to be created.
Instead, you can create a single generic color bar that can be used with all of your layouts by using color mapping in Prinergy Powerpack.

Overview of steps involved:

- Create a generic color bar in Adobe Illustrator (or other) and save as .eps file
- Refine the .eps file in Prinergy Powerpack
- Add the refined pdf file to the User folder in Pandora
- Create a layout in Pandora
- Map the colors of the color bar in Workshop

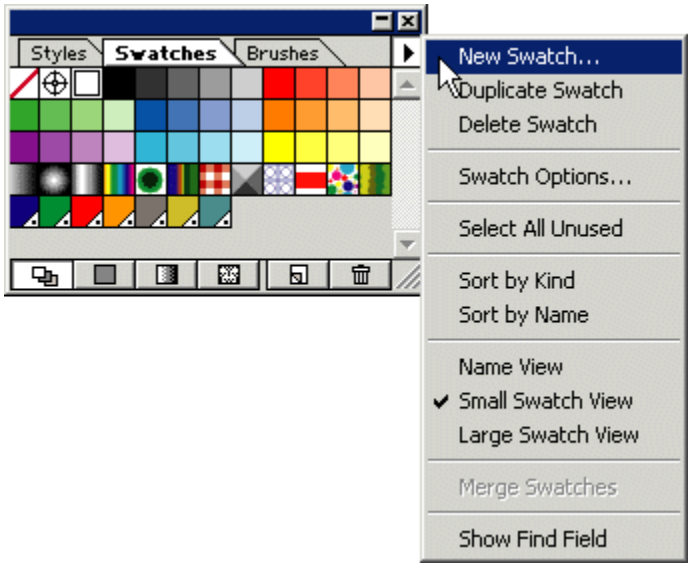
Detailed procedure:

1. Create a color bar in Adobe Illustrator (or similar program) with the required amount of colors for your jobs.

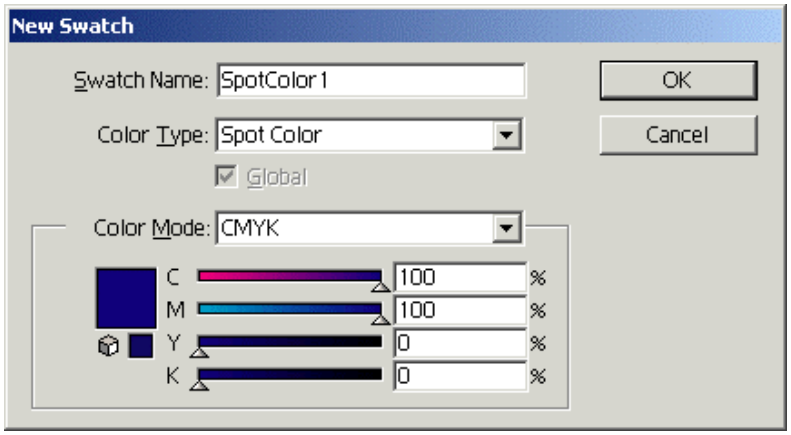


Note: See the section in this document called **Creating a Color Bar as a Smart Mark vs. a Regular Mark** to determine if you want to create this as a smart mark (above), or as a full-length regular mark.

2. Open the New Swatch dialog box by showing the **Swatches** tab and clicking the option arrow, then selecting **New Swatch**.



3. Create a new color swatch for each box in the color bar, selecting the color type as **Spot Color**—for example, SpotColor1 to SpotColor7.
Note: do not use the names Color.<x> or Spot.<x>, as Pandora will recognize these as special names.



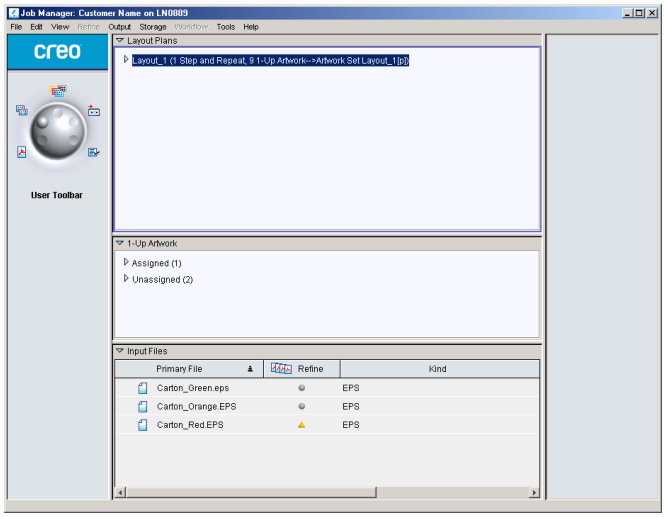
4. Fill in each area of the color bar with one of these new color swatches.



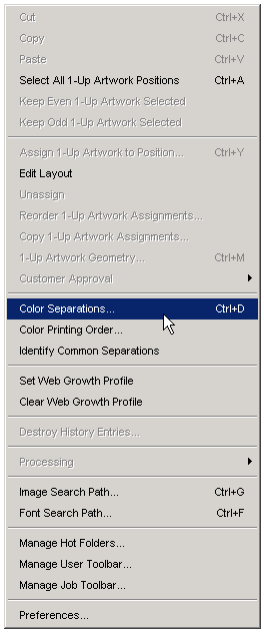
Note: these colors will be replaced with the colors of your job in step 11 of this procedure.

5. Save the file as an .eps file.

6. Refine the .eps file to a pdf using Prinergy Powerpack Workshop.
   Note: You can automate this task as explained in the section **Converting Custom Marks For Use in Pandora**.
7. Add the refined pdf file to the **Pandora 2.0\Marks\User** folder of your Pandora 2.0 application.
   The color bar mark will become available in the Pandora Marks palette. (See the Pandora User Guide for further details on adding user-defined marks).
8. Create your layout in Pandora using the new color bar mark. Close, then save the layout, so that the job ticket is imported into Prinergy Powerpack.
9. Highlight the layout in the layout plans window of the Job Manager.



10. Under the **Edit** menu, select **Color Separations**

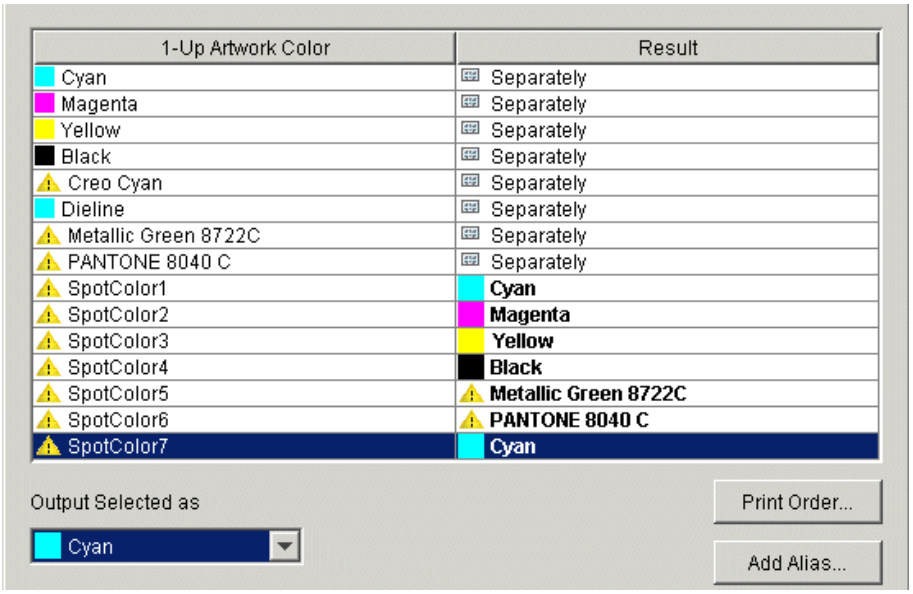


11. Map colors as needed in the Color Separations dialog box.

    For example, If your layout contained the following colors:

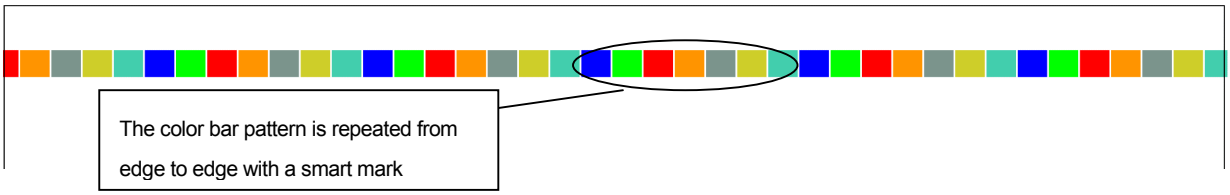
    - Cyan
    - Magenta
    - Yellow
    - Black
    - Metallic Green 8722C
    - Pantone 8040C

    You could map the color bar colors (SpotColor1 to 7) to the layout colors, as shown in the following figure:



Creating a Color Bar as a Smart Mark vs. a Regular Mark

Pandora enables you to add custom marks to its Marks Palette, either as smart marks or regular marks (see the Pandora User Guide for a description of how to create smart marks). You can create a smart mark color bar that automatically sizes itself from one edge of the press sheet to the other. For example, if the color bar in the previous section were entered as a smart mark, and dragged onto the layout, it would run from one edge of the sheet to the other, i.e.:



The smart mark is sized from the center out, and may therefore truncate the color bar at the edges. To avoid this, you have to create the color bar as a regular mark. When creating a generic color bar as a regular mark, you should make it wide enough to cover your largest plate size, then when placing it on a smaller plate size in Pandora, let it run off the sheet (it will automatically get trimmed).

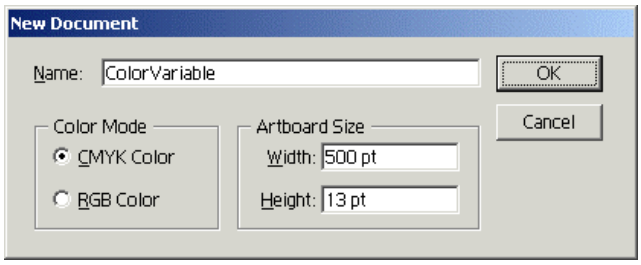
Creating Prinergy Powerpack Variable Marks for use in Pandora

Although the Pandora application has its own list of variable marks (i.e. <Job ID>, <Job Filename>, etc.), be aware that these variable marks use Pandora job information, which may differ from Prinergy Powerpack job information.

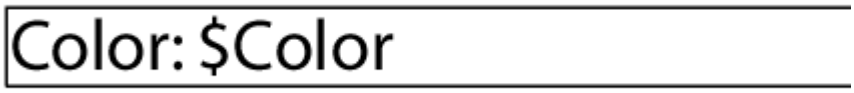
If you want Prinergy Powerpack job information to appear on your layout, you must use Prinergy Powerpack variable marks in your layout (i.e. $[Jobcode], $color— see Prinergy Powerpack online help for a complete list of variable marks).

Add Prinergy Powerpack variable marks to your layout as follows:

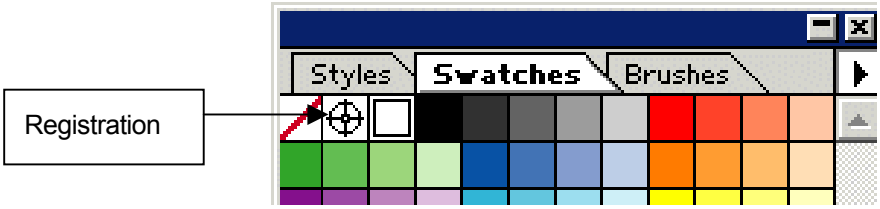
1. In Adobe Illustrator, create a new document that is 13 points high by 500 points wide (or whatever size is appropriate for the mark—making sure that it is wide enough to fit any text that replaces the variable mark).



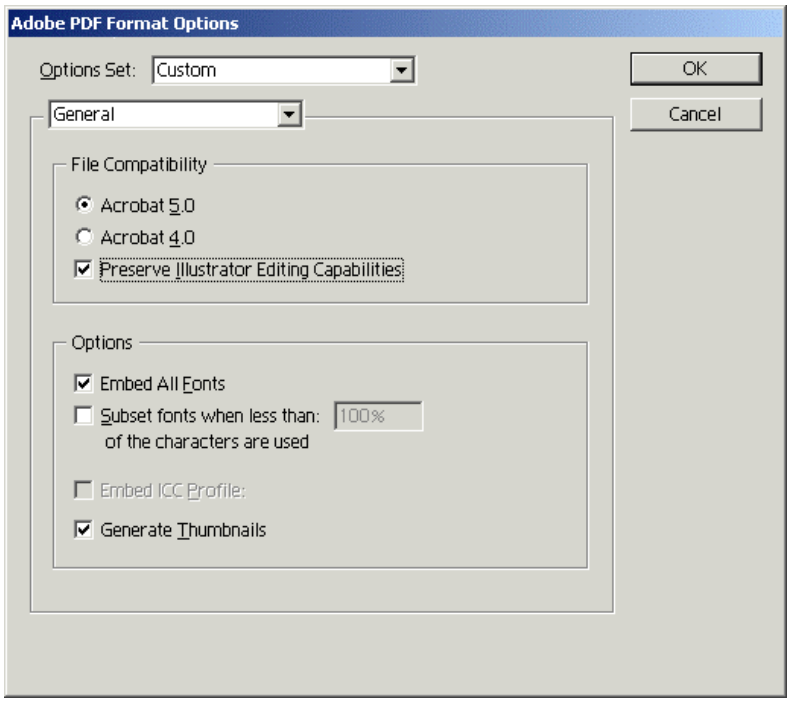
2. Draw a text box the same size as the document and enter a variable mark with the text tool.



3. Set the color of the text to **Registration**.
   This will cause the variable mark to print on all separations.



4. Select **File>Save As>Adobe PDF**.
5. Browse to the **Pandora 2.0\Marks\User** folder of the Pandora 2.0 application, and click **Save**.
   This opens the Adobe PDF Format Options dialog box.
6. Select the following options in the Adobe PDF Format Options dialog box:
   - Under **File Compatibility**, select **Acrobat 5.0**
   - Under Options, select **Embed All Fonts** and **Generate Thumbnails** (do not select **Subset Fonts**)



7. Click **OK**.

The Variable mark is now available in the Pandora's Marks Palette and can be used in your Pandora layout.

Assigning a Mark as Negative on a Separation

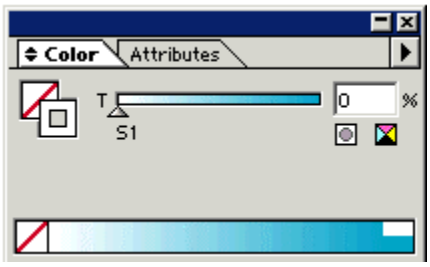
When you create a custom mark as Registration (or All) color, it will print on each separation as the color of the separation. But if it falls on an area that is colored, since the mark is the same color as the separation, it will not be visible.

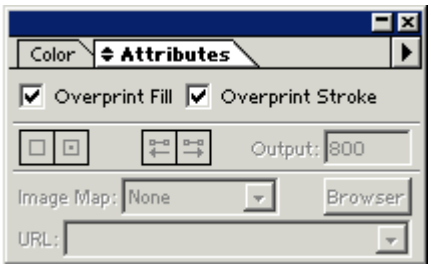
To overcome this, you can create a mark that can be assigned as a negative mark on chosen separations, as follows:

1. Create a mark in Adobe Illustrator. Color it as **Registration** color. This is layer 1.



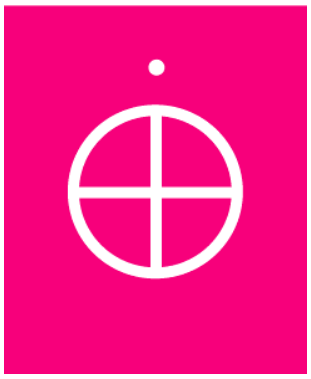
2. Copy the mark on top of itself on several layers (one layer for each separation that requires a negative image of the mark).
3. Create a new color swatch for each layer (i.e. S1, S2, etc.)
4. Color the mark on layer 2 with color swatch S1, and set it to 0%, then set it to overprint.





5. Repeat step 4 for the remaining layers, using color swatch S2, S3, etc.
6. Add the mark to your Pandora layout as described in steps 5 to 10 of the section **Creating a Generic Color bar for use in Prinergy** Powerpack.

7. Map S1 to the appropriate separation color. For example, if you want the mark to print out negative on the Magenta separation, map S1 to Magenta. It will show up as a negative image on the Magenta separation:



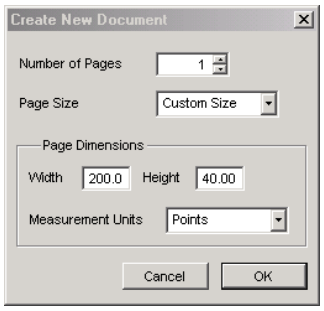
8. Repeat step 7 using S2, S3, etc. for each separation where you want a negative mark.
9. If any of the colors (S1, S2, etc.) are not needed, map them as **Do Not Output** before creating your output.

Adding static text to a Pandora Station Number

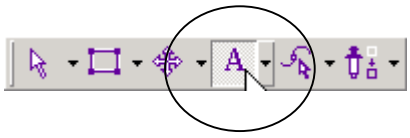
The Pandora application comes with a standard mark for die station numbering. During output, Pandora replaces the mark with the number of the die station to which the mark is bound. If you want to include static text along with a number, you can use the following procedure to create a die station numbering mark with text.

Note: The Enfocus PitStop plug-in is required for this procedure.

1. Launch Adobe Acrobat.
2. From the **File** menu, select **New**.
3. In the Create New Document dialog box that opens, Select **Custom** page size, and set Width to 200pt and Height to 40pt.
   (You may choose a different size depending on your requirements).



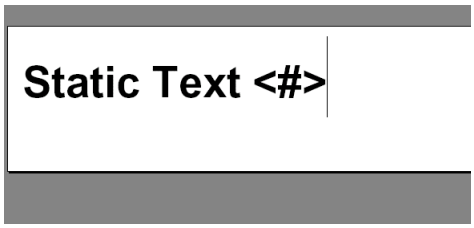
4. From the Acrobat Toolbar, select the PitStop **Edit Text Line** tool



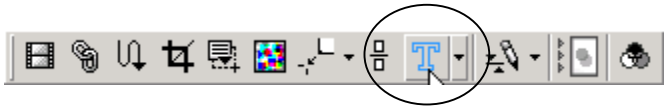
5. Using the Text tool, click on the left hand side of the new page to start the text.



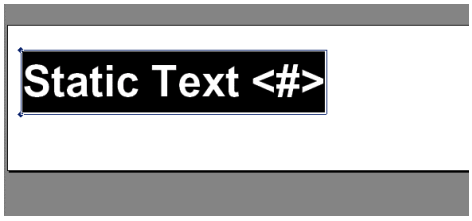
6. Type in whatever text you require for the static text, followed by **<#>**.



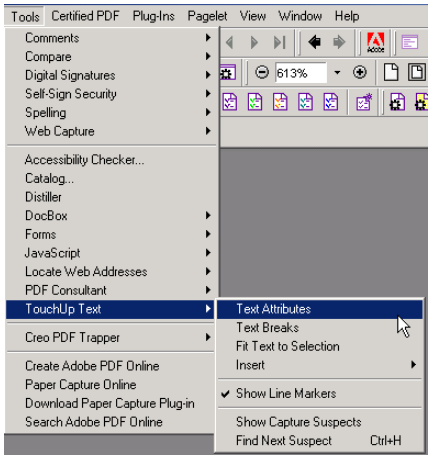
7. From the Acrobat Toolbar, select the **TouchUp Text** tool.



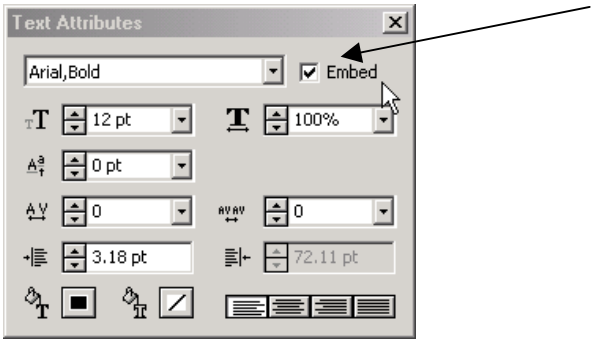
8. Using the TouchUp Text tool, highlight the entire text.



9. From the **Tools** menu, select **Touchup Text**>**Text Attributes**.

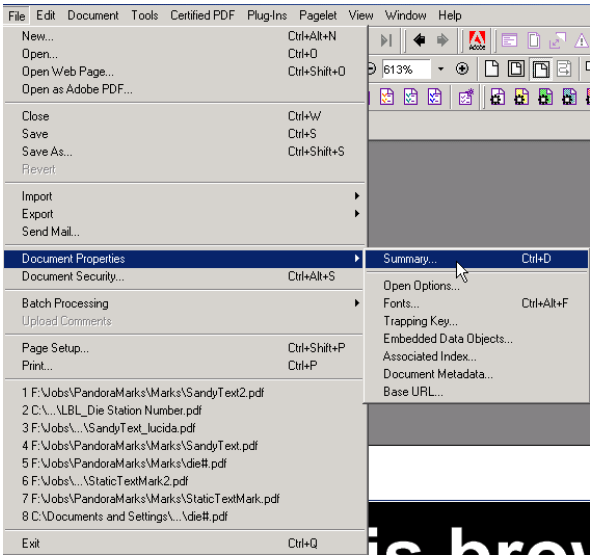


10. In the **Text Attributes** dialog box, select the font you want to use and check the **Embed** check box.

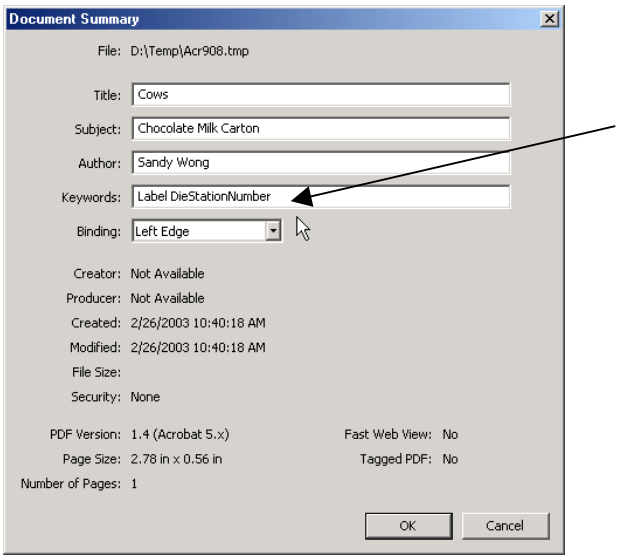


Note: The font size entered here will be the largest size that can be output when you use the mark in a Pandora layout. However, Pandora does allow you the choice to output a smaller font size than the one you entered here.

11. From the **File** menu, select **Document Properties**>**Summary**.



12. In the **Document Summary** dialog, find the **Keywords** box, and type in **Label DieStationNumber** (exactly as shown). If desired, you can also fill in the Title, Subject, and Author boxes, although this is not required for this procedure.



13. Click **OK**.
14. From the **File** menu, select **Save** to save this mark as a PDF file.
15. You can now add the mark to the Pandora **User** folder for use as a static text die station numbering mark. See the Pandora User Guide for details on using marks, and using die station numbering.

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